

Freeform Search

Database:	<div style="border: 1px solid black; padding: 2px;"> US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins </div>
Term:	<div style="border: 1px solid black; padding: 2px;"> l1 and (l2 or L4) </div>
Display:	<div style="border: 1px solid black; padding: 2px;">20</div> Documents in Display Format: <div style="border: 1px solid black; padding: 2px;">-</div> Starting with Number <div style="border: 1px solid black; padding: 2px;">1</div>
Generate: <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

Search

Clear

Interrupt

Search History

DATE: Wednesday, June 30, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	l1 and (l2 or L4)	6	<u>L5</u>
<u>L4</u>	acetylserine lyase	4	<u>L4</u>
<u>L3</u>	o-acetylserine thiol-lyase	0	<u>L3</u>
<u>L2</u>	cysteine synthase	83	<u>L2</u>
<u>L1</u>	cysteine biosynthesis	42	<u>L1</u>

END OF SEARCH HISTORY

d his full

(FILE 'HOME' ENTERED AT 10:47:10 ON 30 JUN 2004)

FILE 'AGRICOLA, BIOSIS, CAPLUS, CABA' ENTERED AT 10:47:39 ON 30 JUN 2004

L1 2 SEA ABB=ON PLU=ON CYSTEINE GAMMA SYNTHASE
L2 2 DUP REM L1 (0 DUPLICATES REMOVED)
D 1-2 IBIB ABS
L3 461 SEA ABB=ON PLU=ON CYSTEINE BIOSYNTHESIS
L4 93407 SEA ABB=ON PLU=ON UNEXPECT? OR UNPREDICTAB? OR UNFORESEEN
L5 1157397 SEA ABB=ON PLU=ON (TRANSFORM? OR TRANSGEN? OR AGROBACTER? OR
BIOLISTIC OR BOMBARD?)
L6 5761787 SEA ABB=ON PLU=ON (PLANT OR ARABIDOPSIS OR CORN OR MAIZE OR
ZEA MAYS OR PETUNIA OR TOMATO OR TOBACCO OR ANTIRRHINUM)
L7 7 SEA ABB=ON PLU=ON L3 AND L4
L8 3 DUP REM L7 (4 DUPLICATES REMOVED)
D 1-3 IBIB ABS
L9 273 DUP REM L3 (188 DUPLICATES REMOVED)
D 1-15 TI
D 16-30 TI
D 4,6,15,18 IBIB ABS
L10 228 SEA ABB=ON PLU=ON O-ACETYLSELINE THIOL-LYASE
L11 103 DUP REM L10 (125 DUPLICATES REMOVED)
L12 32 SEA ABB=ON PLU=ON L11 AND L3
L13 32 DUP REM L12 (0 DUPLICATES REMOVED)
D 1-15 TI
D 16-32 TI
D 2,3,5,7,8,9,29 IBIB ABS
L14 58 SEA ABB=ON PLU=ON L3 AND L5 AND L6
L15 27 DUP REM L14 (31 DUPLICATES REMOVED)
D 1-15 TI
D 2, 15 IBIB ABS

FILE HOME

FILE AGRICOLA

FILE COVERS 1970 TO 8 Jun 2004 (20040608/ED)

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 23 June 2004 (20040623/ED)

FILE RELOADED: 19 October 2003.

FILE CAPLUS

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FILE COVERS 1907 - 30 Jun 2004 VOL 141 ISS 1
FILE LAST UPDATED: 29 Jun 2004 (20040629/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE CABA
FILE COVERS 1973 TO 4 Jun 2004 (20040604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

The CABA file was reloaded 7 December 2003. Enter HELP RLOAD for details.

ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 487967-04-4 REGISTRY
CN **CysM cysteine synthase (EC 4.2.99.8) (Pyrococcus abyssi strain Orsay)**
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CAB49296
CN GenBank CAB49296 (Translated from: GenBank AJ248284)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 341578-34-5 REGISTRY
CN **Cysteine synthase (EC 4.2.99.8) (Lactococcus lactis lactis strain IL1403 gene cysK) (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN 796: PN: WO0177334 SEQID: 797 claimed protein
CN Protein (Lactococcus lactis strain IL1403 gene cysK)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
OCCU (Occurrence); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 341576-10-1 REGISTRY
CN **Cysteine synthase (EC 4.2.99.8) (Lactococcus lactis lactis strain IL1403 gene cysM) (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN 550: PN: WO0177334 SEQID: 551 claimed protein
CN Protein (Lactococcus lactis strain IL1403 gene cysM)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
OCCU (Occurrence); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 202013-07-8 REGISTRY
CN **Cytosolic O-acetylserine(thiol)lyase (EC 4.2.99.8) (Arabidopsis thaliana) (9CI) (CA INDEX NAME)**
OTHER NAMES:
CN 257: PN: EP1033405 SEQID: 35257 claimed protein
CN **Cytosolic O-acetylserine(thiol)lyase (EC 4.2.99.8) (Arabidopsis thaliana clone cosmid EW10D7.IB1D20/G20182 gene dl3480c)**
CN Protein (Arabidopsis thaliana clone Ceres_1807768)
CN Synthase, cysteine OAS-TL A1 (Arabidopsis thaliana gene oasA1 isoform A1)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 158652-04-1 REGISTRY
CN Synthase, cysteine (watermelon clone pCCS11) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Cysteine synthase (watermelon clone pCCS11) (EC. 4.2.99.8)**
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN
RN 158540-76-2 REGISTRY
CN Synthase, cysteine (spinach clone λCSC17 gene cysC precursor reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Cysteine synthase C (spinach clone λCSC17 mitochondria-assocd. gene cysC precursor) (EC 4.2.99.8)**
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

DT.CA Cplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)